

**What is claimed is:**

1. An anodization-adapted aluminum alloy containing 2.0 to 3.5 wt% Mg and the remainder of 99.9 wt% or greater high-purity aluminum.

5 2. An anodization-adapted aluminum alloy containing 2.0 to 3.5 wt% Mg, 0.004 to 0.01 wt% Ti, and the remainder of 99.9 wt% or greater high-purity aluminum.

10 3. A plasma-treating apparatus made of an anodization-adapted plasma alloy, designed to allow an article to be processed to experience predetermined treatment in a vacuum chamber, using one of plasma and active species that are occurred by the plasma, said plasma-treating apparatus characterized in that one or more kinds of components selected from among said vacuum chamber and components provided in said vacuum chamber comprise an aluminum alloy member formed by an anodized aluminum alloy that contains 2.0 to 3.5 wt% Mg and the remainder of 99.9 wt% or greater high-purity aluminum.

20 25 4. A plasma-treating apparatus made of an anodization-adapted plasma alloy, designed to allow an article to be processed to experience predetermined treatment in a vacuum chamber, using

one of plasma and active species that are occurred by the plasma, said plasma-treating apparatus characterized in that one or more kinds of components selected from among said vacuum chamber and components provided in said vacuum chamber comprise an aluminum alloy member formed by an anodized aluminum alloy that contains 2.0 to 3.5 wt% Mg, 0.004 to 0.01 wt% Ti, and the remainder of 99.9 wt% or greater high-purity aluminum.